

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	216397	((("709"/((226-232,238,248,250).ccls.) or ("718"/((104-105).ccls.) or ("370"/("392,395.52").ccls.)) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 20:08
L2	98	1 and ((NIC\$1! or (network adj interface adj (card\$1! or adapter\$1! or controller\$1! or device\$1!))) with (protocol adj (stack\$1! or layer\$1! or level\$1!)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 20:12
L3	6	2 and (cookie or (session adj identifier\$1!))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 20:14
L4	95	1 and (INIC or ((smart or intelligent) adj2 ((network adj interface adj card\$1! ) or NIC\$1! or adapter\$1!)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 20:17
L5	8	1 and (INIC or ((smart or intelligent) adj2 ((network adj interface adj card\$1! ) or NIC\$1! or adapter\$1!))) same (protocol adj stack\$1!)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 20:18
S1	9	execut\$3 adj3 protocol adj stack adj instruction\$1!	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 16:40
S2	27	protocol adj stack adj processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 16:54
S3	7	execut\$3 near4 (protocol adj stack) with (perform\$3 adj5 (action or operation))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:03
S4	8	execut\$3 near4 (protocol adj stack) same (perform\$3 adj5 (action or operation))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:03
S5	198	(protocol adj stack) same (perform\$3 adj5 (action or operation))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:04

S6	67	S5 and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 18:31
S7	0	(protocol adj stack) with (add\$3 or modif\$5) with (session or state) adj (maintenance) same ip adj packet and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:22
S8	0	(protocol adj stack) same (add\$3 or modif\$5) with (session or state) adj (maintenance) same ip adj packet and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:22
S9	0	(protocol adj stack) same (add\$3 or modif\$5) with (session or state) adj (maintenance) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:23
S10	0	(protocol adj stack) with affect\$3 adj5 (ip adj packet adj4 data ) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:24
S11	0	(protocol adj stack) same affect\$3 adj5 (ip adj packet adj4 data ) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:24
S12	0	(protocol adj stack) and affect\$3 adj5 (ip adj packet adj4 data ) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:25
S13	20	(protocol adj stack) same (ip adj packet adj4 data ) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 17:25
S14	0	S6 and (server adj farm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 18:05
S15	6	independent adj4 application adj4 instruction\$1! and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 19:09

S16	0	protocol adj stack with part adj3 NIC	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 19:10
S17	7	protocol adj stack with part adj3 iNIC	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 19:10
S18	2	protocol adj stack with part adj3 interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 19:20
S19	2	("5517668").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/04 19:19
S20	1907	protocol adj stack with (porcesor or interface or NIC)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 19:22
S21	671	protocol adj stack adj5 (porcesor or interface or NIC)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 19:22
S22	281	S21 and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 19:23
S23	0	S22 and (server adj farm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 19:23
S24	27	(form\$3 or generat\$3 or creat43) adj5 (information or data) adj5 (affect\$3 or caus\$3) adj5 (perform\$ adj5 (action or operation\$1!))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 20:26
S25	2	("6788980").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/04 20:32

S26	7	protocol adj stack adj instruction\$1! with ((perform\$3 adj3 operation\$!) or (maintain\$4 adj session))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 20:34
S27	65	protocol adj stack with ((perform\$3 adj3 operation\$!) or (maintain\$4 adj session))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 21:21
S28	22	S27 and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 20:34
S29	9	protocol adj stack same (maintain\$4 adj session)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 21:26
S30	11	form\$3 adj3 packet with causing with perform\$3 with operation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 21:55
S31	2	("6442590").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/04 21:55
S32	161	(intelligent or smart) adj ((network adj card) or NIC\$1! or adapter\$1!) same (protocol adj (stack or layer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 16:57
S33	85	S32 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 16:15
S34	25	caus\$3 adj4 ((second adj (devie or computer)) or client\$1!) with (perform\$3 adj3 (operation\$1! or action\$1!) ) and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 15:35
S35	0	((intelligent or smart) adj ((network adj card) or NIC\$1! or adapter\$1!)) with (add\$3 or modif\$3) near4 ((session adj (id or identifier)) or cookie)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:00

S36	2	((intelligent or smart) adj ((network adj card) or NIC\$1! or adapter\$1!)) same (add\$3 or modif\$3) near4 ((session adj (id or identifier)) or cookie)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:00
S37	95	((intelligent or smart) adj ((network adj card) or NIC\$1! or adapter\$1!)) same ((session adj (id or identifier)) or cookie)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:04
S38	13	S37 and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:01
S39	0	((intelligent or smart) adj ((network adj card) or NIC\$1! or adapter\$1!)) same ((session adj (id or identifier)) or cookie)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:05
S40	3	((intelligent or smart) adj2 ((network adj card) or NIC\$1! or adapter\$1!)) and ((session adj (id or identifier)) or cookie)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:07
S41	0	((intelligent or smart) adj2 ((network adj card) or NIC\$1! or adapter\$1!)) with (add\$3 adj5 (state adj information))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:07
S42	0	((network adj2 card\$1!) or NIC\$1! or adapter\$1!) with ((add\$3 or attach\$3 or append\$3 or modify\$3 or encapsulat\$3) adj5 ((session or state) adj2 information))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:10
S43	0	((network adj2 card\$1!) or NIC\$1! or adapter\$1!) same ((add\$3 or attach\$3 or append\$3 or modify\$3 or encapsulat\$3) adj5 ((session or state) adj2 information))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:10
S44	10	((network adj2 card\$1!) or NIC\$1! or adapter\$1!) same ((add\$3 or attach\$3 or append\$3 or modify\$3 or encapsulat\$3) with ((session or state) adj2 information))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 18:46
S45	129	((network adj2 card\$1!) or NIC\$1! or adapter\$1!) with state adj information	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 18:46

S46	78	S45 and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 18:47
S47	5	S46 and (protocol adj (layer or stack))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 18:56
S48	182	protocol adj (stack or layer) with (INIC or NIC\$1!)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 18:58
S49	77	S48 and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 18:59
S50	61	S49 and (session or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 18:59
S51	14	(server\$1! near3 (group or farm or pool) with ((includ\$3 or encapsulat\$3 or attach\$3 or add\$3 or modif\$5 or embed\$4 or append\$3 or prepend\$3) near4 (session adj (id or identifier))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 21:26
S52	5	(form\$3 or generat\$3 or creat43) adj5 (session adj (id or identifier)) with (NIC\$1! or adapter\$1! or (network adj2 (card\$1! or device)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 21:28
S53	11	((caus\$3 or direct\$3 or affect\$3) adj4 (client or user or browser) with (maintain\$3 adj2 session))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 21:32
S54	663	(NIC\$1! or (network adj (interface or adapter))) with (cookie or session)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 21:33
S55	7	(NIC\$1! or (network adj (interface or adapter))) adj4 (add\$3 or includ\$3 or prepend\$3 or attach\$3 or modif\$5 or append\$3) adj5 (cookie or session)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 21:57

S56	938	independen\$2 adj4 (software or application) adj program	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 21:58
S57	23	independen\$2 adj4 (software or application) adj program with (generat\$3 or form\$3 or creat\$3) near3 (information or data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 21:58
S58	13	(protocol adj stack) adj4 (additional or special) adj (information or data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 16:33
S59	3	modif\$5 adj4 packet\$1! with ((session adj (id or identifier or identification)) or cookie)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 16:35
S60	157	(add\$3 or attach\$3 or includ\$3 or embed\$4 or encapsulat\$3 or modif\$5) near4 packet\$1! with ((session adj (id or identifier or identification)) or cookie)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 16:36
S61	49	S60 and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 17:29
S62	6	S60 and @ad<"20001221" and (protocol adj (stack\$1! or layer\$1! or level\$1!))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 18:21
S63	8	execut\$3 adj3 (protocol adj (stack or layer or level) adj4 (form\$3 or generat\$3 or creat\$3) adj4 packet\$1!)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:09
S64	0	execut\$3 adj3 (protocol adj (stack or layer or level) with (form\$3 or generat\$3 or creat\$3) adj4 packet\$1!)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:10
S65	0	execut\$3 adj3 (protocol adj (stack or layer or level) same (form\$3 or generat\$3 or creat\$3) adj4 packet\$1!)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:10

S66	510	(protocol adj (stack or layer or level) same (form\$3 or generat\$3 or creat\$3) adj4 packet\$1!)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:10
S67	267	S66 and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:11
S68	55	S66 and @ad<"20001221" and NIC	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:13
S69	52	(network adj interface adj card ) with (protocol adj (stack or layer or level)) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:37
S70	0	(network adj interface adj card ) near3 (within or on) near5 (protocol adj (stack or layer or level)) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:38
S71	0	(network adj interface adj card ) with (within or on) near5 (protocol adj (stack or layer or level)) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:38
S72	1	(network adj interface adj card ) with (within or on) with (protocol adj (stack or layer or level)) and @ad<"20001221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 21:41
S73	10	execut\$3 adj4 protocol adj4 (form\$3 or creat\$3 or generat\$3) adj5 (packet\$1! or burst or datagram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 17:29
S74	2	"20010023442".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/10 15:25
S75	2	("6374300").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/10 20:07



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Set Items Description

-----  
?s ((load(w)balanc???) (s) (INIC or (mart or (intelligent) (w)network(w)interface?))  
>>>Unmatched parentheses  
?s (load(w)balanc???) (s) (INIC or ((mart or intelligent) (w)network(w)interface?))  
986779 LOAD  
745452 BALANC???  
71 INIC  
13181 MART  
325374 INTELLIGENT  
2190444 NETWORK  
1818609 INTERFACE?  
116 (MART OR INTELLIGENT) (W)NETWORK(W)INTERFACE?  
S1 1 (LOAD(W)BALANC???) (S) (INIC OR ((MART OR  
INTELLIGENT) (W)NETWORK(W)INTERFACE?))  
?t s1/6,k/all

1/6,K/1 (Item 1 from file: 275)  
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02192462 SUPPLIER NUMBER: 20132689 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Load balancing under Unix.(Enterprise Var) (Technology Information)  
Jan, 1998  
WORD COUNT: 3766 LINE COUNT: 00290

ABSTRACT: Load balancing is frequently necessary due to the unequal  
distribution of computing that often occurs. Three of the load balancing

choices that are available include multiple point-to-point connection, Domain Name System (DNS) and HTTP **load balancing** . The problems associated with DNS include mapping hosts within domains and updating the Internet Network Information Center ( **INIC** ) each time the host designations are changed. Multiple point-to-point is useful in situations

...  
?s (protocol(w)(stack? or layer? or level?))(s)(INIC or (smart or intelligent)(3w)(card? or adapter? or device?))

>>>File 34 processing for CARD? stopped at CARDONIANA

Processing

Processed 10 of 18 files ...

>>>File 144 processing for CARD? stopped at CARDIOTOCOEGRAPHIE

Completed processing all files

442930 PROTOCOL

276646 STACK?

2602117 LAYER?

5379203 LEVEL?

71 INIC

145781 SMART

325374 INTELLIGENT

1695022 CARD?

95488 ADAPTER?

2841748 DEVICE?

27883 (SMART OR INTELLIGENT)(3W)((CARD? OR ADAPTER?) OR  
DEVICE?)

S2 41 (PROTOCOL(W)(STACK? OR LAYER? OR LEVEL?))(S)(INIC OR  
(SMART OR INTELLIGENT)(3W)(CARD? OR ADAPTER? OR DEVICE?))

?t s2/6,k/all

2/6,K/1 (Item 1 from file: 2)

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7667727 INSPEC Abstract Number: B2003-08-6210L-019, C2003-08-5620L-007

**Title: Intelligent devices for appliances control in home networks**

Publication Date: May 2003

Copyright 2003, IEE

Abstract: In this work, the architecture and functionality of **intelligent** , reduced-complexity **devices** used in appliances control for networking applications arc, presented. These devices exploit the Ethernet infrastructure...

... network-based control functionality. The devices implement a hard-wired version of the IP-based **protocol stack** and use an embedded soft processor core for executing the functions of a control-oriented application layer. The **protocol stack** used is based on a limited functionality MAC layer, while packet filtering is performed at...

2/6,K/2 (Item 2 from file: 2)

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7327773 INSPEC Abstract Number: B2002-08-6210R-039, C2002-08-5620L-056

**Title: Bluetooth-based wireless personal area network for multimedia communication**

Publication Date: 2002

Copyright 2002, IEE

...Abstract: Bluetooth-based wireless personal area network (WPAN) designed for multimedia communication among portable and distributed **smart electronic devices** within a short-range. The WPAN is a new standard under development, which will be...

... a convenient transmission medium. The paper presents hardware and software codesign based on the Bluetooth **protocol stack** as a vehicle for real-life performance studies for multimedia communication over WPAN and beyond...

2/6,K/3 (Item 3 from file: 2)  
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6702682 INSPEC Abstract Number: B2000-10-8375-026, C2000-10-7410B-074

Title: **Substation data integration-real world benefits and issues**

Publication Date: 1999

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Abstract: This paper examines the various **intelligent** electronic **devices** (IED) software and hardware interfacing technologies that exist today as well those coming in the...

... generation expected over the next 12 to 24 months. In addition the merits of advanced **protocol stacks** over a substation LAN are discussed in light of the growing number of advanced software...

2/6,K/4 (Item 1 from file: 8)  
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07209566

Title: **Algorithm partitioning and optimization for network processors**

Conference Title: Proceedings of the Third IASTED International Conference on Communications, Internet, and Information Technology

Publication Year: 2004

...Abstract: by today's high end systems. The processing requirements of next generation network protocols require **intelligent** network **cards** with network protocol offload engines, for example based on a network processor. To reduce development time, we reuse existing software **protocol stack** implementations for partitioning and implementing on the network card. Though, manual partitioning is very time-consuming due to the complex **protocol stacks**. We outline an approach for tool supported software partitioning even for complex C source code...

2/6,K/5 (Item 2 from file: 8)  
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06487652

Title: **Intelligent devices for appliances control in home networks**

Publication Year: 2003

Abstract: In this work, the architecture and functionality of **intelligent**, reduced-complexity **devices** used in appliances control for networking applications are presented. These devices exploit the Ethernet infrastructure...

...network-based control functionality. The devices implement a hard-wired version of the IP-based **protocol stack** and use an embedded soft processor core for executing the functions of a control-oriented Application Layer. The **protocol stack** used is based on a limited functionality MAC layer, while packet filtering is performed at...

2/6,K/6 (Item 1 from file: 34)  
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11771172 Genuine Article#: 693XD Number of References: 8

Title: **Intelligent devices for appliances control in home networks** (ABSTRACT AVAILABLE)

Publication date: 20030500

Abstract: In this work, the architecture and functionality of **intelligent**, reduced-complexity **devices** used in appliances control for networking applications are presented. These devices exploit the

Ethernet infrastructure...

...network-based control functionality. The devices implement a hard-wired version of the IP-based **protocol stack** and use an embedded soft processor core for executing the functions of a control-oriented Application Layer. The **protocol stack** used is based on a limited functionality MAC layer, while packet filtering is performed at...

2/6,K/7 (Item 1 from file: 35)

DIALOG(R)File 35:(c) 2005 ProQuest Info&Learning. All rts. reserv.

01792197 ORDER NO: AADAA-II402110

**Smart Card-enabled security services to support secure telemedicine applications**

Year: 2000

...exploited by Secure Telemedicine Applications to securely transfer medical information. However the current day internet **protocol stack** does not provide much in terms of security for the data being transferred across it. In this thesis we explore how Cryptography along with **Smart Cards** can be used to implement application layer protocols, to enhance the security of data flowing...

2/6,K/8 (Item 1 from file: 95)

DIALOG(R)File 95:(c) 2005 FIZ TECHNIK. All rts. reserv.

01767174 20030608452

**Intelligent devices for appliances control in home networks**  
2003

ABSTRACT:

In this work, the architecture and functionality of **intelligent**, reduced-complexity **devices** used in appliances control for networking applications are presented. These devices exploit the Ethernet infrastructure...

...network-based control functionality. The devices implement a hard-wired version of the IP-based **protocol stack** and use an embedded soft processor core for executing the functions of a control-oriented application layer. The **protocol stack** used is based on a limited functionality MAC layer, while packet filtering is performed at...

2/6,K/9 (Item 1 from file: 99)

DIALOG(R)File 99:(c) 2005 The HW Wilson Co. All rts. reserv.

2661939 H.W. WILSON RECORD NUMBER: BAST03154863

**Intelligent Devices for Appliances Control in Home Networks**  
20030500

ABSTRACT: Ethernet infrastructure-based **intelligent**, reduced-complexity **devices** for controlling appliances used in network applications are proposed. A hardwired version of the IP-based **protocol stack**, which is based on a limited functionality medium access control layer is included in the devices. Packet filtering is also executed at the Internet **protocol layer**. The devices also have an embedded soft processor core that executes a control-oriented application...

2/6,K/10 (Item 1 from file: 144)

DIALOG(R)File 144:(c) 2005 INIST/CNRS. All rts. reserv.

16178406 PASCAL No.: 03-0336237

**Intelligent devices for appliances control in home networks**  
2003

... network-based control functionality. The devices implement a

hard-wired version of the IP-based **protocol stack** and use an embedded soft processor core for executing the functions of a control-oriented Application Layer. The **protocol stack** used is based on a limited functionality MAC layer, while packet filtering is performed at...

2/6,K/11 (Item 1 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

02782656 SUPPLIER NUMBER: 116056543 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
)

Think 32-bit or miss out.

April 28, 2004

WORD COUNT: 1050 LINE COUNT: 00086

... communication or interactivity, this will soon drive you to a 32-bit processor. "Communication needs **protocol stacks**. **Protocol stacks** need operating systems. Operating systems and **protocol stacks** both need a lot of processing power, not to mention memory management units (MMU), Ethernet...

...are up to ten communication interfaces including I2C, SPI, UART, CAN, USB, HDLC, MMC, and **Smart Card** interface. Slightly more powerful is the STR720 series, which is based on the 66MHz ARM720T...

2/6,K/12 (Item 2 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

02548108 SUPPLIER NUMBER: 79340519 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Optical wireless LANs need MEMS.(Technical)**

Oct 22, 2001

WORD COUNT: 1031 LINE COUNT: 00087

... the user, permitting developers to add features. Since the design is compatible with an Internet **Protocol stack**, the equipment can be addressed as a **smart device** through the network.

While the reference design is targeted at a specific wireless LAN application...

2/6,K/13 (Item 3 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

02452115 SUPPLIER NUMBER: 67336232 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Companies offer remedies to help consumer firms cure 1394 software woes.(Company Business and Marketing)**

Nov 27, 2000

WORD COUNT: 799 LINE COUNT: 00071

... controller-whether authentication, key exchange or resource allocation-will need to be tied to an **intelligent device** such as a set-top. For that, the **protocol stack** needs to be ported to an operating system.

For instance, "correctly implementing AVC is necessary...

2/6,K/14 (Item 4 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

02239178 SUPPLIER NUMBER: 53213981 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Latest version of NT blends the best of two OSes.(Microsoft Windows NT Workstation 5.0)(Evaluation)**

Nov 9, 1998

WORD COUNT: 1746 LINE COUNT: 00141

... more advanced virtual private networking features. You can choose from the Point-to-Point Tunneling **Protocol**, **Layer 2 Tunneling Protocol** or IPSec protocol to set up a connection. You authenticate via Kerberos 5,

Remote Authentication Dial-in User Service, **smart cards** or public-key encryption.

The new wizards definitely make it easier to set up VPN...

2/6,K/15 (Item 5 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

01828406 SUPPLIER NUMBER: 17227761 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**How remote can you go? (includes a related article on factors driving the remote-access market)**

August, 1995

WORD COUNT: 2466 LINE COUNT: 00214

... and dial-up NetWare LAN applications.

TechSmith's Enterprise Wide, operating at the highest possible **protocol layer**, "moves up the stack," capturing messages and transmitting them. Therefore, network overhead is kept on...

...providing dial-up telephone, switched cellular and X.25 networks connections. Enterprise Wide also includes **intelligent communications adapter cards** for a LAN gateway. Enterprise Wide supports up to 16 simultaneous asynchronous or 24 X...

2/6,K/16 (Item 6 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

01707868 SUPPLIER NUMBER: 16306344 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**PC-Unix integration's generation X. (Focus on Technology: PC X Servers & X Terminals special section)**

Sept, 1994

WORD COUNT: 1892 LINE COUNT: 00156

... IPX/SPX and TCP/IP.

Another method of alleviating RAM CRAM is to add a **Smart Card** to the PC, upon which the network software **protocol stack** resides. Also look for X display server software products that do not employ TSRs. These ...

2/6,K/17 (Item 7 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

01463548 SUPPLIER NUMBER: 11600288 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Living together: NetWare and UNIX. (Special Report: UNIX)**

Dec, 1991

WORD COUNT: 1671 LINE COUNT: 00133

... that are used to access NetWare.

In prior releases of LAN Workplace for DOS, an **intelligent Ethernet adapter** known as EXOS was required to provide support for both SPX/IPX and TCP/IP...

...major improvement in LAN Workplace for DOS version 4.0 is an incorporated TCP/IP **protocol stack**, which loads itself into memory and uses Novell's Open Data-link Interface (ODI), enabling...

2/6,K/18 (Item 8 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

01411360 SUPPLIER NUMBER: 11483662

**Proteon off-loads net tasks from PCs to net interfaces: firms unveils software to free limited DOS memory for applications, improves PC's performance. (Product Announcement)**

Nov 4, 1991

...ABSTRACT: interfaces. The software, which consists of five modules,

including device drivers, network management agents, and **protocol stacks**, allows users to off-load communications processes from DOS-based workstations to **intelligent adapters**. This distribution of network tasks allows users to realize increased workstation performance by lessening random...

2/6,K/19 (Item 9 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

01386890 SUPPLIER NUMBER: 09661707 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Can PC LANs survive the media blitz? (the effect of new data types on local area networks)**

Nov, 1990

WORD COUNT: 2526 LINE COUNT: 00197

... in motion a complicated chain of events. Using the International Standards Organization's seven-layer **protocol stack** as a model, Parker points out that protocols must be generated to pass the basic...

...to be executed, and this is usually done by the host microprocessor. But But an **intelligent adapter card** with a bus-master chip on it can do up to Layer 3."

The next...

2/6,K/20 (Item 10 from file: 275)

DIALOG(R)File 275:(c) 2005 The Gale Group. All rts. reserv.

01349909 SUPPLIER NUMBER: 08155030 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**An overview of the HP OSI Express card.**

Feb, 1990

WORD COUNT: 1376 LINE COUNT: 00115

... some cases is similar to that of existing networking products based on the TCP/IP **protocol stack**. Performance is important to Hp's customers, and special attention to performance was an integral...

...the OSI Express card resulted in throughputs in excess of 600,000 bytes per second. **Intelligent** use of **card** memory and creative congestion control allow the card to support up to 100 open connections...

2/6,K/21 (Item 1 from file: 647)

DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01265517 CMP ACCESSION NUMBER: EET20030804S0021

**SoC interfaces going 'soft' - An old technique has become a new tool in the designer's bag of tricks as software-defined I/O begins to supplant hard IP in systems-on-chip.**

PUBLICATION DATE: 030804

WORD COUNT: 1917

... dedicated hardware.

However, as interfaces have grown faster, they have also grown more layers. The **protocol stack** for an interface these days may include signal processing-as in modem applications-or video encoding, as in digital cameras, or decryption, as in some **smart - card** applications. These tasks would until recently have been performed in dedicated hardware.

Steve Ikei, senior...

2/6,K/22 (Item 2 from file: 647)

DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01244515 CMP ACCESSION NUMBER: EET20011022S0054

**Optical wireless LANs need MEMS**

PUBLICATION DATE: 011022

WORD COUNT: 945

... the user, permitting developers to add features. Since the design is compatible with an Internet Protocol stack, the equipment can be addressed as a smart device through the network.

While the reference design is targeted at a specific wireless LAN application...

2/6,K/23 (Item 3 from file: 647)

DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01244184 CMP ACCESSION NUMBER: EET20011022S0054

**Optical wireless LANs need MEMS**

PUBLICATION DATE: 011022

WORD COUNT: 945

... the user, permitting developers to add features. Since the design is compatible with an Internet Protocol stack, the equipment can be addressed as a smart device through the network.

While the reference design is targeted at a specific wireless LAN application...

2/6,K/24 (Item 4 from file: 647)

DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01191225 CMP ACCESSION NUMBER: EET19990510S0056

**Universal plug for net appliances**

PUBLICATION DATE: 990510

WORD COUNT: 1652

... is similar to Universal Plug and Play in that it promises to let users network intelligent devices with minimal setup effort. The two solutions differ in the level at which networked appliances...

...a new Jini layer. On the other hand, Universal Plug and Play standardizes at the protocol level and is based on proven, open industry standards.

Returning to the layer-cake model, above...

2/6,K/25 (Item 5 from file: 647)

DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01163706 CMP ACCESSION NUMBER: EET19980608S0109

**Performance issues affect Gbit Ethernet**

PUBLICATION DATE: 980608

WORD COUNT: 2020

... volumes of data being presented to them across Fast and Gigabit Ethernet backbone networks.

Basically, intelligent server adapters offload CPU-intensive functions from the host protocol stack to adapter hardware. For instance, by depositing incoming packets into memory locations aligned for application...

2/6,K/26 (Item 6 from file: 647)

DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01102306 CMP ACCESSION NUMBER: NWC19960901S0056

**Proactive Management With Workgroup SNMP Managers (Network Management)**



PUBLICATION DATE: 960901  
WORD COUNT: 2970

... manageable nodes. These applications rely primarily on the Simple Network Management Protocol (SNMP) to gather " smart " network devices . SNMP agents are server processes that run on a hub, router, server or other network component running TCP/IP or IPX protocol stacks .

Testing We tested four network-management applications at our Syracuse University lab. The lab environment...

2/6,K/27 (Item 7 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01100541 CMP ACCESSION NUMBER: EET19960819S0041  
**Intelligent I/O processing makes its mark**  
PUBLICATION DATE: 960819  
WORD COUNT: 1348

... costs, and the ability to deliver intelligent I/O performance. By allowing developers to move protocol stack and driver processing to an intelligent I/O card , I2O enables adapter- card vendors to increase the functionality of their products.

I2O brings a...

2/6,K/28 (Item 8 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01064372 CMP ACCESSION NUMBER: EET19950911S0068  
**An RTOS with its Nest is pure dynamite** (Embedded insights)  
PUBLICATION DATE: 950911  
WORD COUNT: 1242

... always a critical factor in embedded systems- virtually a non-issue.

It also ensures that intelligent devices can be designed and manufactured cost-effectively with limited resources. PNDE protocol stacks and sample applications have been designed for a high- performance, memory- constrained, real-time environment...

2/6,K/29 (Item 9 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

01021226 CMP ACCESSION NUMBER: NWC19940701S0944  
**DCA's Remote LAN Node** (Product Comparison)  
PUBLICATION DATE: 940701  
WORD COUNT: 568

... MAC) address and an authorization key. RLN supports only its own multiport asynchronous communications board **Intelligent MultiPort Adapter** (IMPA) and the product took a performance hit because of it. We saw significant performance...

...DCA's proprietary control protocol. RLNCP emulates a Network Interface Card (NIC) and accommodates multiple protocol stacks . The limiting factor is that DCA's client will talk only to DCA's server...

2/6,K/30 (Item 10 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

00645267 CMP ACCESSION NUMBER: CRN19890410S2140  
**LAN Boards: A Precarious Market** (MW38)  
PUBLICATION DATE: 890410  
WORD COUNT: 1107

... plans to put 8,514 1,024 x768 graphics onto PS/2 motherboards this

year.

**Intelligent LAN adapters** laden with **protocol stacks** and network management capabilities defy easy migration to motherboards and threaten board-to-board compatibility...

2/6,K/31 (Item 11 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

00643444 CMP ACCESSION NUMBER: CRN19890410S0306  
**LAN Boards: A Precarious Market** (MW38)  
PUBLICATION DATE: 890410  
WORD COUNT: 1107

... plans to put 8,514 1,024 x768 graphics onto PS/2 motherboards this year.

**Intelligent LAN adapters** laden with **protocol stacks** and network management capabilities defy easy migration to motherboards and threaten board-to-board compatibility...

2/6,K/32 (Item 12 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

00615025 CMP ACCESSION NUMBER: CWK19880606S0406  
**LONG-ON**  
PUBLICATION DATE: 880606  
WORD COUNT: 634

... But independent local area network vendor Excelan Inc., San Jose, Calif., plans to implement dual **protocol stacks** in read-only memory on the **intelligent network interface cards** needed in each workstation on the network.

TCP/IP SYSTEMS MOVING FORWARD  
The Simple Network...

2/6,K/33 (Item 13 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

00614946 CMP ACCESSION NUMBER: CWK19880613S0326  
**SIMON SAYS BANYAN** After a year without a marketing vice president, Banyan Systems Inc....  
PUBLICATION DATE: 880613  
WORD COUNT: 487

... has introduced a set of wide area network controllers that support multiple Open Systems Interconnection **protocol stacks**. The PC-300 series, which includes the PC-320, PC-321 and PC-322, was...

...last week at the Enterprise Networking Event '88 International in Baltimore, Md. The controllers are **intelligent devices** that provide wide area network links for the IBM PC, PC/XT, PC AT, and...

2/6,K/34 (Item 14 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

00605907 CMP ACCESSION NUMBER: NWC19911001S1306  
**AT&T StarGROUP Version 3.4: Still an Understudy** (Reviewed Revealed Revised)  
PUBLICATION DATE: 911001

TEXT:

... Print Services PCs can also use the included Kermit terminal emulation over any supported StarGROUP **protocol stack** to log into the StarGROUP server for remote console work, or to access other Unix...T has taken the **intelligent approach** that the world does not need another proprietary DOS **protocol stack**. StarGROUP supports DOS clients by

running LAN Manager services over an OSI TP4 transport. AT...

...server software automatically on rebooting. We had to manually enable it by toggling the AppleTalk **protocol stack** off and on again with the server console utilities. In addition, bringing down the OSI **protocol stack** (which should affect only the users of LAN Manager on that one protocol) actually stopped...Package: \$495 StarGROUP TCP/IP Support Program, v1.0 (includes FTP Software's DOS client **protocol stack**, telnet and ftp applications, and NetBIOS) 8 users: \$1,150 Unlimited users: \$2,525 AT...3270 gateway hardware is a Macintosh II. The gateway software is downloaded onto Apple's **intelligent host connection cards**. Each card includes a Motorola 68000 processor and RAM to process the gateway application. Currently...

2/6,K/35 (Item 15 from file: 647)  
DIALOG(R)File 647:(c) 2005 CMP Media, LLC. All rts. reserv.

00573500 CMP ACCESSION NUMBER: UNX19900528S1318  
**The Lowdown On DOS/Unix Links - A Close Look At How Some Of The A  
Available Connectivity Tools Measure Up**  
PUBLICATION DATE: 900528  
WORD COUNT: 2196

... of Xenix-NET is its support for NetBIOS. But the processing required for the extra **protocol layers** makes Xenix-NET slower than PC-Interface and NFS. SCO doesn't offer the DOS...

...options. They can purchase the Novell/Excelan's LAN Workplace for DOS with the 205T **intelligent Ethernet adapter**. They can purchase FTP Software's PC/TCP and NetBIOS, and run MS-NET on...

2/6,K/36 (Item 1 from file: 674)  
DIALOG(R)File 674:(c) 2005 IDG Communications. All rts. reserv.

059259  
**Server switching: A new way to network servers**  
Publication Date: May 05, 1997

Text:

...server adapter must be able to consolidate host interrupts when packets are received continuously.

An **intelligent adapter** can off-load CPU-intensive functions from the host **protocol stack** to the adapter hardware. By depositing incoming packets into memory locations aligned for application access...

2/6,K/37 (Item 1 from file: 696)  
DIALOG(R)File 696:(c) 2005 The Dialog Corp. All rts. reserv.

00668471  
**MORE INTERNET VIDEO DELIVERY PLANS PROPOSED**  
MAY 3, 1999

WORD COUNT: 976

(c) WARREN PUBLISHING INC. All Rts. Reserv.

TEXT:

...system also is capable of secure commerce and copy protection, it said. Company separately unveiled **smart card** controlled conditional access system that applies encryption at Internet **Protocol layer** of transmission instead of at MPEG transport stream level.

Sarnoff will team with Wave Systems...system also is capable of secure commerce and copy protection, it said. Company separately unveiled **smart card**

controlled conditional access system that applies encryption at Internet Protocol layer of transmission instead of at MPEG transport stream level.

Sarnoff will team with Wave Systems...

2/6,K/38 (Item 2 from file: 696)  
DIALOG(R)File 696:(c) 2005 The Dialog Corp. All rts. reserv.

00667364

MORE INTERNET VIDEO DELIVERY PLANS PROPOSED  
APRIL 26, 1999

WORD COUNT: 789

(c) WARREN PUBLISHING INC. All Rts. Reserv.

TEXT:

...system also is capable of secure commerce and copy protection, Philips said. Company separately unveiled smart card controlled conditional access system that applies encryption at Internet Protocol layer of transmission instead of MPEG transport stream level.

Sarnoff will team with Wave Systems to...system also is capable of secure commerce and copy protection, Philips said. Company separately unveiled smart card controlled conditional access system that applies encryption at Internet Protocol layer of transmission instead of MPEG transport stream level.

Sarnoff will team with Wave Systems to...

2/6,K/39 (Item 3 from file: 696)  
DIALOG(R)File 696:(c) 2005 The Dialog Corp. All rts. reserv.

00667242

MORE INTERNET VIDEO DELIVERY PLANS PROPOSED  
APRIL 26, 1999

WORD COUNT: 800

(c) WARREN PUBLISHING INC. All Rts. Reserv.

TEXT:

...system also is capable of secure commerce and copy protection, Philips said. Company separately unveiled smart card controlled conditional access system that applies encryption at Internet Protocol layer of transmission instead of MPEG transport stream level.

Sarnoff will team with Wave Systems to...system also is capable of secure commerce and copy protection, Philips said. Company separately unveiled smart card controlled conditional access system that applies encryption at Internet Protocol layer of transmission instead of MPEG transport stream level.

Sarnoff will team with Wave Systems to...

2/6,K/40 (Item 4 from file: 696)  
DIALOG(R)File 696:(c) 2005 The Dialog Corp. All rts. reserv.

00653929

**3Com Adds Wireless Data Component For Palm Computing Platform**  
February 11, 1999

WORD COUNT: 252

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...form-

factor products with integrated or add-on communications capabilities"  
- everything from cellular handsets and " smart " phones to messaging  
devices and data communicators.

Smartcode's software is used by many leading cellular operators,  
with its...

...E-mail, Web browsing

and fax access. The company also has been active in communications  
protocol stack implementations.

Smartcode software will be integrated with the Palm Computing platform's existing components - the...

2/6,K/41 (Item 5 from file: 696)

DIALOG(R)File 696:(c) 2005 The Dialog Corp. All rts. reserv.

00653756

**3COM ADDS WIRELESS DATA COMPONENT FOR PALM COMPUTING PLATFORM**  
February 10, 1999

WORD COUNT: 246

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...form-

factor products with integrated or add-on communications capabilities"  
- everything from cellular handsets and " smart " phones to messaging  
devices and data communicators.

Smartcode's software is used by many leading cellular operators,  
with its...

...E-mail, Web browsing

and fax access. The company also has been active in communications  
protocol stack implementations. Smartcode software will be integrated  
with the Palm Computing platform's existing components - the...

?s s2 and ((session(w)id) or cookie)

41 S2

143482 SESSION

72458 ID

118 SESSION(W) ID

4588 COOKIE

S3 0 S2 AND ((SESSION(W) ID) OR COOKIE)

?b patents

>>> 351 is unauthorized

>>> 352 is unauthorized

>>> 353 is unauthorized

>>>3 of the specified files are not available

10mar05 21:02:58 User264796 Session D30.2

\$4.97 0.603 DialUnits File2

\$0.60 3 Type(s) in Format 95 (KWIC)

\$0.60 3 Types

\$5.57 Estimated cost File2

\$0.94 0.150 DialUnits File6

\$0.94 Estimated cost File6

\$2.64 0.343 DialUnits File8

\$0.42 2 Type(s) in Format 95 (KWIC)

\$0.42 2 Types

\$3.06 Estimated cost File8

\$11.35 0.513 DialUnits File34

\$0.39 1 Type(s) in Format 95 (KWIC)  
 \$0.39 1 Types  
 \$11.74 Estimated cost File34  
 \$0.50 0.121 DialUnits File35  
 \$0.10 1 Type(s) in Format 95 (KWIC)  
 \$0.10 1 Types  
 \$0.60 Estimated cost File35  
 \$0.35 0.095 DialUnits File65  
 \$0.35 Estimated cost File65  
 \$0.15 0.048 DialUnits File92  
 \$0.15 Estimated cost File92  
 \$0.72 0.205 DialUnits File94  
 \$0.72 Estimated cost File94  
 \$0.91 0.130 DialUnits File95  
 \$0.00 1 Type(s) in Format 95 (KWIC)  
 \$0.00 1 Types  
 \$0.91 Estimated cost File95  
 \$0.20 0.081 DialUnits File99  
 \$0.21 1 Type(s) in Format 95 (KWIC)  
 \$0.21 1 Types  
 \$0.41 Estimated cost File99  
 \$1.12 0.220 DialUnits File103  
 \$1.12 Estimated cost File103  
 \$1.84 0.477 DialUnits File144  
 \$0.21 1 Type(s) in Format 95 (KWIC)  
 \$0.21 1 Types  
 \$2.05 Estimated cost File144  
 \$0.27 0.068 DialUnits File239  
 \$0.27 Estimated cost File239  
 \$1.84 0.341 DialUnits File275  
 \$7.70 11 Type(s) in Format 95 (KWIC)  
 \$7.70 11 Types  
 \$9.54 Estimated cost File275  
 \$2.53 0.114 DialUnits File434  
 \$2.53 Estimated cost File434  
 \$0.90 0.174 DialUnits File647  
 \$6.75 15 Type(s) in Format 95 (KWIC)  
 \$6.75 15 Types  
 \$7.65 Estimated cost File647  
 \$0.29 0.070 DialUnits File674  
 \$0.43 1 Type(s) in Format 95 (KWIC)  
 \$0.43 1 Types  
 \$0.72 Estimated cost File674  
 \$0.63 0.108 DialUnits File696  
 \$0.00 5 Type(s) in Format 95 (KWIC)  
 \$0.00 5 Types  
 \$0.63 Estimated cost File696  
 OneSearch, 18 files, 3.861 DialUnits FileOS  
 \$3.73 TELNET  
 \$52.69 Estimated cost this search  
 \$53.22 Estimated total session cost 4.165 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 123:CLAIMS(R)/Current Legal Status 1980-2005/Mar 01

(c) 2005 IFI/CLAIMS

**\*File 123: Reassignment data is now updated weekly.**

File 324:German Patents Fulltext 1967-200508

(c) 2005 Univention

**\*File 324: Search original German text plus English translation.**

For further information, enter HELP NEWS 324.

File 331:Derwent WPI First View UD=200516 (c) 2005 Thomson Derwent

**\*File 331: For patent family information, search also File 351, 352, or 350.**

File 340:CLAIMS(R)/US Patent 1950-05/Mar 08

(c) 2005 IFI/CLAIMS(R)

**\*File 340: 2004 Reload is online as of October 6, 2004. Pricing changes effective October 1, 2004. See HELP NEWS 340 for details.**

File 342:Derwent Patents Citation Indx 1978-05/200514

(c) 2005 Thomson Derwent  
 File 344:Chinese Patents Abs Aug 1985-2004/May  
 (c) 2004 European Patent Office  
 File 345:Inpadoc/Fam.& Legal Stat 1968-2004/UD=200509  
 (c) 2005 EPO  
 File 347:JAPIO Nov 1976-2004/Oct(Updated 050209)  
 (c) 2005 JPO & JAPIO  
**\*File 347: JAPIO data problems with year 2000 records are now fixed.**  
 Alerts have been run. See HELP NEWS 347 for details.  
 File 348:EUROPEAN PATENTS 1978-2005/Feb W04  
 (c) 2005 European Patent Office  
 File 349:PCT FULLTEXT 1979-2002/UB=20050303,UT=20050224  
 (c) 2005 WIPO/Univentio  
 File 371:French Patents 1961-2002/BOPI 200209  
 (c) 2002 INPI. All rts. reserv.  
**\*File 371: This file is not currently updating. The last update is 200209.**  
 File 447:IMS Patent Focus 2005/Feb  
 (c) 2005 IMS Health & Affiliates  
 File 652:US Patents Fulltext 1971-1975  
 (c) format only 2002 The Dialog Corp.  
 File 654:US Pat.Full. 1976-2005/Mar 08  
 (c) Format only 2005 The Dialog Corp.  
 File 670:LitAlert 1973-2005/UD=200509  
 (c) 2005 Thomson Derwent

Set Items Description

?s load(w)balanc??? (s) (NIC or INIC or (smart or intelligent) (2w) (adapter? or card?)) (s) (p  
 rotocol(w) (stack? or layer? or level?))

Processing

Processing

>>>File 349 processing for CARD? stopped at CARDIONYOCYTE

Processed 10 of 15 files ...

>>>File 654 processing for CARD? stopped at CARDIOVISION

Processing

Processing

Processing

Completed processing all files

1815435 LOAD

1068665 BALANC???

32153 NIC

2023 INIC

83183 SMART

88238 INTELLIGENT

283800 ADAPTER?

909748 CARD?

35791 (SMART OR INTELLIGENT) (2W) (ADAPTER? OR CARD?)

432780 PROTOCOL

776605 STACK?

3791663 LAYER?

3921096 LEVEL?

S1 60 LOAD(W)BALANC??? (S) (NIC OR INIC OR (SMART OR  
 INTELLIGENT) (2W) (ADAPTER? OR  
 CARD?)) (S) (PROTOCOL(W) (STACK? OR LAYER? OR LEVEL?))

?s s1 and pd<001221

>>>File 123 processing for PD= : PD=001221

>>> started at PD=NAME OF stopped at PD=19950801

>>>File 340 processing for PD= : PD=001221

>>> started at PD=19490329 stopped at PD=19840705

>>>File 342 processing for PD= : PD=001221

>>> started at PD=47 stopped at PD=700122

Processing

>>>File 344 processing for PD= : PD=001221

>>> started at PD=19 stopped at PD=890501

>>>File 345 processing for PD= : PD=001221

>>> started at PD=13 stopped at PD=650126

>>>File 347 processing for PD= : PD=001221

>>> started at PD=197610 stopped at PD=19830411

Processing

```

>>>File 348 processing for PD= : PD=001221
>>> started at PD=78 stopped at PD=981223
Processed 10 of 15 files ...
>>>File 371 processing for PD= : PD=001221
>>> started at PD=FR 87965 stopped at PD=19951027
Processing
>>>File 447 processing for PD= : PD=001221
>>> started at PD=110606 stopped at PD=730924
>>>File 654 processing for PD= : PD=001221
>>> started at PD=A stopped at PD=19821129
>>>File 670 processing for PD= : PD=001221
>>> started at PD=08840221 stopped at PD=19980709
Completed processing all files
        60 S1
        11887106 PD<001221
        S2 9 S1 AND PD<001221
?t s2/6,k/all

```

2/6,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

01207593

**METHOD AND APPARATUS FOR IDENTIFYING AND CLASSIFYING NETWORK TRAFFIC IN A HIGH PERFORMANCE NETWORK INTERFACE**  
**VERFAHREN UND VORRICHTUNG ZUR IDENTIFIZIERUNG UND KLASSIFIZIERUNG VON NETZWERKVERKEHR IN EINER HOCHLEISTUNGS NETZWERKSCHNITTSTELLE**  
**PROCEDE ET APPAREIL DE CLASSIFICATION DU TRAFIC RESEAU AU NIVEAU D'UNE INTERFACE RESEAU A HAUT RENDEMENT**

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200416	867
CLAIMS B	(German)	200416	780
CLAIMS B	(French)	200416	1079
SPEC B	(English)	200416	26809
Total word count - document A			0
Total word count - document B			29535
Total word count - documents A + B			29535

...SPECIFICATION parser determines that the packet is not formatted according to one of the pre-selected **protocol stacks** (i.e., the packet is not "compatible"), as discussed in a previous section. Illustratively, the No(underscore)Assist signal indicates that one or more functions of NIC 100 (e.g., data re-assembly, batch processing, **load - balancing** ) may not be provided for the packet.

In state 604, FDBM 108 determines whether a...

2/6,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

01207592

**METHOD AND APPARATUS FOR LOAD DISTRIBUTION DEPENDING ON THE COMMUNICATION FLOWS**

**VERFAHREN UND VORRICHTUNG ZUR BELASTUNGSVERTEILUNG UPHANGING VON DATENFLUSSEN**

**PROCEDE ET APPAREIL DE REPARTITION DU TRAITEMENT DU TRAFIC RESEAU AU NIVEAU D'UN ORDINATEUR A PROCESSEURS MULTIPLES EN DEPENDANCE DES FLUX DE COMMUNICATION**

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200450	1225
CLAIMS B	(German)	200450	1185
CLAIMS B	(French)	200450	1606
SPEC B	(English)	200450	29148
Total word count - document A			0
Total word count - document B			33164
Total word count - documents A + B			33164



...SPECIFICATION parser determines that the packet is not formatted according to one of the pre-selected **protocol stacks** (i.e., the packet is not "compatible"), as discussed in a previous section. Illustratively, the No(underscore)Assist signal indicates that one or more functions of **NIC 100** (e.g., data re-assembly, batch processing, **load - balancing** ) may not be provided for the packet. In state 604, **FDBM 108** determines whether a...

2/6,K/3 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

00739517 \*\*Image available\*\*

**A HIGH PERFORMANCE NETWORK INTERFACE**

**INTERFACE RESEAU HAUTE PERFORMANCE**

Publication Language: English

Filing Language: English

Fulltext Availability: - - - - -

Detailed Description

Claims

Fulltext Word Count: 78802

Publication Year: 2000

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000908

Fulltext Availability:

Claims

**Claim**

... embodiment of the invention, load distributor 1 12 enables the processing of packets through their **protocol stacks** to be distributed among a number of processors. Illustratively, load distributor 1 12 generates an...

...The multiple processors may be located within a host computer system that is served by **NIC 1 00**. In one alternative embodiment, 1 0 one or more processors for manipulating packets through a **protocol stack** are located on **NIC 100**. Without an effective method of sharing or distributing the processing burden, one processor could become overloaded if it were required to process all or most network traffic received at **NIC 1 00**, particularly in a high-speed network environment. The 1 5 resulting delay in...

...submitted to a single processor. As long as the packets are received in order by **NIC 1 00**, they should be provided to the 5 host computer and processed in order...

...packets for the entire connection, even between datagrams. Depending upon the network environment in which **NIC 1 00** operates (e.g., the protocols supported by network 102), the flow key may...

...e.g., a processor number) to specify a processor to process a packet received by **NIC 1 00**, based on the packet's flow

70

key. In this embodiment of the...

...network 102 is the Internet and a received packet is formatted according to a compatible **protocol stack** (e.g., Ethernet at layer two, IP at layer three and TCP at layer four). State 700 is a start state. In state 702 a packet is received by **NIC 1 00** and a header portion of the packet is parsed by header parser 106...the processing. Illustratively, software executing on the host computer (e.g., a device driver for **NIC 1 00**) programs or stores the number of processors such that it may be read...

...load distributor 11 2 (e.g., in a register). The number of processors available for **load balancing** may be all or a subset of the number of processors installed on the host...

...state 71 0, the number of the processor that will process the packet through its **protocol stack** is stored in the host computer's memory.

Illustratively, state 71 0 is performed in...

...illustrated embodiment, a descriptor temporarily stores packet information after the packet has been received by **NIC I 00**, but before the packet is processed by the host computer system. The information stored in a descriptor may be used, for example, by the device driver for **NIC I 00** or for processing the packet through its **protocol stack**. In state 712, an interrupt or other alert is issued to the host computer to inform it that a new packet has been delivered from **NIC I 00**. In an embodiment of the invention in which **NIC I 00** is coupled to the host computer by a PCI (Peripheral Component Interconnect) bus...

...In state 714, software operating on the host computer (e.g., a device driver for **NIC I 00**) is invoked (e.g., by the host computer's operating system interrupt handler...

...invention, multiple queues may be used (e.g., for multiple priority levels or for different **protocol stacks**). Illustratively, one processor on the host computer system is configured to receive all alerts and/or interrupts associated with the receipt of network packets from **NIC I 00** and to alert the appropriate software routine or device driver. This initial processing...that was stored in the processor's queue. Methods of processing a packet through its **protocol stack** are well known to those skilled in the art and need not be described in...

...for

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the purpose of distributing or sharing the burden of processing packets through their **protocol stacks**. Illustratively, traffic from different VCIs is sent to different processors, but, to ensure correct ordering... invention control queue II 8 stores control and status information concerning a packet received by **NIC I 00**. In this embodiment, control queue I 1 8 retains information used to enable...

...a series of instructions operating on a host computer (e.g., a device driver for **NIC I 00**). The information stored in control queue II 8 may supplement or duplicate information...is stored in control queue 1 1 8 and, possibly, other portions or modules of **NIC 1 00**, and the packet is transferred to the host computer by DMA engine 120...

...FIG. 10, software that executes on a host computer, such as a device driver for **NIC I 00**, maintains a free buffer array or other data structure (e.g., list, table...

2/6,K/4 (Item 2 from file: 349)

DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

00739510 \*\*Image available\*\*

**DYNAMIC PARSING IN A HIGH PERFORMANCE NETWORK INTERFACE**

**ANALYSE DYNAMIQUE DANS UNE INTERFACE RESEAU HAUTE PERFORMANCE**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 31072

Publication Year: 2000

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000908

Fulltext Availability:

Detailed Description

Detailed Description

... parser determines that the packet is not formatted according to one of the pre-selected **protocol stacks** (i.e., the packet is not "compatible"), as discussed in a previous section. Illustratively, the No-Assist signal indicates that one or more functions of **NIC I 00**

(e.g., data re-assembly, batch processing, **load - balancing** ) may not be provided I 0 for the packet.

In state 604, FDBM 108 determines...

2/6,K/5 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

00739498 \*\*Image available\*\*

**METHOD AND APPARATUS FOR DYNAMIC PACKET BATCHING WITH A HIGH PERFORMANCE NETWORK INTERFACE**

**PROCEDE ET APPAREIL DE MISE EN LOTS DYNAMIQUE DE PAQUETS AVEC UNE INTERFACE RESEAU HAUTE PERFORMANCE**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 47104

Publication Year: 2000

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000908

Fulltext Availability:

Detailed Description

Detailed Description

... the packet's compatibility with pre-determined criteria for performing one or more functions of **NIC I 00 I 0** (e.g., data re-assembly, batch processing of packet headers, load...

...header parser determines that the packet is not formatted according to one of the preselected **protocol stacks** (i.e., the packet is not "compatible"), as discussed in a previous section. Illustratively, the No-Assist signal indicates that one or more functions of **NIC 1 00** (e.g., data re-assembly, batch processing, **load - balancing** ) may not be provided for the packet.

In state 604, FDBM 108 determines whether a...

2/6,K/6 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

00739497 \*\*Image available\*\*

**METHOD AND APPARATUS FOR EARLY RANDOM DISCARD OF PACKETS**

**PROCEDE ET APPAREIL D'ELIMINATION ALEATOIRE PRECOCE DE PAQUETS**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 40626

Publication Year: 2000

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000908

Fulltext Availability:

Detailed Description

Detailed Description

... header parser detennines that the packet is not formatted according to one of the preselected **protocol stacks** (i.e., the packet is not "compatible"), as discussed in a previous section. Illustratively, the No-Assist signal indicates that one or more Rmctions of **NIC 1 00** (e.g., data re-assembly, batch processing, **load - balancing** ) may not be provided for the packet.

In state 604, FDBM 108 determines whether a...

2/6,K/7 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

00739496 \*\*Image available\*\*  
**METHOD AND APPARATUS FOR DISTRIBUTING NETWORK TRAFFIC PROCESSING ON A MULTIPROCESSOR COMPUTER**  
**PROCEDE ET APPAREIL DE REPARTITION DU TRAITEMENT DU TRAFIC RESEAU AU NIVEAU D'UN ORDINATEUR A PROCESSEURS MULTIPLES**  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 33509  
Publication Year: 2000

Patent and Priority Information (Country, Number, Date):  
Patent: ... 20000908  
Fulltext Availability:  
Detailed Description

Detailed Description  
... parser determines that the packet is not formatted according to one of the pre-selected **protocol stacks** (i.e., the packet is not "compatible"), as discussed in a previous section. Illustratively, the No-Assist signal indicates that one or more functions of **NIC I 00** (e.g., data re-assembly, batch processing, **load - balancing** ) may not be provided for the packet.

In state 604, FDBM 108 determines whether a...

2/6,K/8 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

00739494 \*\*Image available\*\*  
**METHOD AND APPARATUS FOR DATA RE-ASSEMBLY WITH A HIGH PERFORMANCE NETWORK INTERFACE**  
**PROCEDE ET APPAREIL DE REUNION DE DONNEES DOTE D'UNE INTERFACE RESEAU HAUTE PERFORMANCE**  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 67365  
Publication Year: 2000

Patent and Priority Information (Country, Number, Date):  
Patent: ... 20000908  
Fulltext Availability:  
Detailed Description

Detailed Description  
... header parser determines that the packet is not formatted according to one of the preselected **protocol stacks** (i.e., the packet is not "compatible"), as discussed in a previous section. Illustratively, the No-Assist signal indicates that one or more functions of **NIC I 00** (e.g., data re-assembly, batch processing, **load - balancing** ) may not be provided for the packet.

In state 604, FDBM 108 determines whether a...

2/6,K/9 (Item 7 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

00739485      \*\*Image available\*\*

**METHOD AND APPARATUS FOR CLASSIFYING NETWORK TRAFFIC IN A HIGH PERFORMANCE  
NETWORK INTERFACE**

**PROCEDE ET APPAREIL DE CLASSIFICATION DU TRAFIC RESEAU AU NIVEAU D'UNE  
INTERFACE RESEAU A HAUT RENDEMENT**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 30994

Publication Year: 2000

Patent and Priority Information (Country, Number, Date):

Patent:                      ... 20000908

Fulltext Availability:

- Detailed Description -

**Detailed Description**

... header parser determines that the packet is not formatted according to one of the preselected **protocol stacks** (i.e., the packet is not "compatible"), as discussed in a previous section. Illustratively, the No-Assist signal indicates that one or more functions of **NIC 100** (e.g., data re-assembly, batch processing, **load - balancing** ) may not be provided for the packet.

In state 604, **FDBM 108** determines whether a...

?